IO-Link Device AOI Test Report

**Date of Test: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Name of Test Engineer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Product Description of Tested Product: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Product Firmware Rev: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PLC used to Test Product: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Version of StudioLogix used to Test Product: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Name of AOI File Tested: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Version of AOI File Tested: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Test Notes:**

**Test Passed: Yes / No**

**Test Plan**

* Drag over IO-Link Device AOI from Catalog to Project
* Verify AOI Version matches Rev file and Revision Notes from txt file in github.
* Verify AOI Description matches txt file in github.
* Create tag instances of AOI
* Configure port of device
* Copy Common Data tag
* Download project to PLC
* Verify the Wrong or Missing Device is not on
* Disconnect Device and verify missing device is on
* Connect incorrect device and verify missing device stays on
* Reconnect correct device and verify missing devices goes off
* Add test contact to disable / enable AOI. Verify acyclic data points recover.
* Verify data points go to zero when Wrong or Missing Device detected
* Check vibration on the X-Axis. Compare to webserver.
* Check vibration on the Y-Axis. Compare to webserver.
* Check vibration on the Z-Axis. Compare to webserver.
* Check the magnitude of the vibrations. Compare to webserver.
* Check the temperature. Compare to webserver.
* Check Output1 and Output2. Compare to webserver. Cause the outputs to change states.
* Check Operating Hours, Max Temperature, Min Temperature. Compare to webserver.
* Set Display\_DegF to 1 and verify temperature values change from Celsius to Fahrenheit. Reset back to 0 and verify temperature values go back to Celsius.
* Go into Controller tags to .DataConfig. Change the value (0..7) and check the webserver Process Data Configuration parameter. It should match.
* Go into Controller tags to .DataConfig. Change the value < 0 or > 7. Make sure value reverts to last state and does not change Process Data Configuration parameter in the webserver.